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A shoe for use on the end of a work string within a 3 well bore, the shoe comprising a generally 4 cylindrical body having a first end adapted for 5 . connection to the work string and a second end including a nose portion; the nose portion including a rounded head distal to the body for advancement 8 through the well bore; the body having thereupon a 9 reaming portion located behind the nose portion 10 wherein the reaming portion comprises a plurality of 11 raised members, each pair of raised members being 12 mounted oppositely, in parallel and longitudinally 13 along the body, wherein each adjacent pair of members 14

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18 2. A shoe as claimed in Claim 1 wherein the reaming members are elongate and continuous.

and a channel for grinding the debris.

provides a funnel for collecting approaching debris

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21 3. A shoe as claimed in Claim 1 or Claim 2 wherein the reaming members are teardrop shaped.

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4. A shoe as claimed in any preceding Claim wherein the funnel comprises diverging edges of adjacent reaming members.

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28 5. A shoe as claimed in any preceding Claim wherein the 29 channel provided between each pair of members 30 converges from the nose portion along the reaming 31 portion.

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•		τ,
1	6.	A shoe as claimed in any preceding Claim wherein the
2		nose portion is eccentric to aid the passage of the
3		shoe through the well bore.
4		
5	7.	A shoe as claimed in any preceding Claim wherein the
6		nose portion includes one or more ports.
7		
8	8.	A shoe as claimed in any preceding Claim wherein the
9		nose portion includes a plurality of blades extending
0		from the end of the nose towards the reaming portion.
1		
2	9.	A shoe as claimed in Claim 8 wherein the blades
3		include a cutting surface to assist in breaking
4		through bridges.
5	_	
6	10.	A shoe as claimed in any preceding Claim wherein the
7		shoe further comprises a gauge portion located
8		furthest from the nose portion.
9		
0	11.	A shoe as claimed in Claim 10 wherein the gauge
1		portion is a stabiliser.
22		and the second methods and the second methods are also and the second methods are also and the second methods are also are also and the second methods are also are a
23	12.	A shoe as claimed in Claim 10 or Claim 11 wherein th
24		gauge portion comprises a plurality of elongate
25		blades.
26		and the alamanta
27	13.	A shoe as claimed in Claim 12 wherein the elongate
28		blades are arranged helically along the body.
29		the Claim wherein the
30	14.	A shoe as claimed in any preceding Claim wherein the
31		shoe is constructed from a combination of relatively
32	•	hard and relatively soft materials.

15. A shoe for use on the end of a work string within a well bore, the shoe comprising a generally cylindrical body having a first end adapted for connection to the work string and a second end including a nose portion; the nose portion including a rounded head distal to the body for advancement through the well bore and a plurality of blades extending from the head towards the body; the body

having thereupon a reaming portion located behind the

nose portion wherein the reaming portion comprises a

plurality of discrete raised members to ream the

bore.

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14 16. A shoe as claimed in Claims 15 wherein the blades 15 include a cutting surface to assist in breaking 16 through bridges.

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17. A shoe as claimed in Claim 15 or Claim 16 wherein the raised members are arranged to be mounted oppositely,

in parallel and longitudinally along the body,

21 wherein each adjacent pair of members provides a

funnel for collecting approaching debris and a

channel for grinding the debris.

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18. A shoe as claimed in any one of Claims 15 to 17 wherein the raised members are elongate and

27 continuous.

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29 19. A shoe as claimed in any one of Claims 15 to 18
30 wherein the reaming members are teardrop shaped.

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	·
1	20. A shoe as claimed in any one of Claims 17 to 18
2	wherein the funnel comprises diverging edges of
3	adjacent reaming members.
4	
5	21. A shoe as claimed in any one of Claims 17 to 20
6	wherein the channel provided between each pair of
7	members converges from the nose portion along the
8	reaming portion.
9	
.0	22. A shoe as claimed in any one of Claims 15 to 21
.1	wherein the nose portion includes one or more ports.
.2	
L3	23. A shoe as claimed in any one of Claims 15 to 22
4	wherein the shoe further comprises a gauge portion
L5	located furthest from the nose portion.
L6	
17	24. A shoe as claimed in Claim 23 wherein the gauge
18	portion is a stabiliser.
19	the state of the color of the color of the
20	25. A shoe as claimed in Claim 23 or Claim 24 wherein the
21	gauge portion comprises a plurality of elongate
22	blades.
23	
24	26. A shoe as claimed in Claim 25 wherein the elongate
25	blades are arranged helically along the body.
26	and in any one of Claims 15 to 26
27	27. A shoe as claimed in any one of Claims 15 to 26 wherein the shoe is constructed from a combination o
28	relatively hard and relatively soft materials.
29	relatively hard and relatively solo more and